AMENDMENTS TO THE CLAIMS

Please amend claims 1, 2, 3, 4, 9, 12, and 13 as follows. Please cancel claims 10 and 11.

1   1.   (Currently Amended) A method of managing a shared object in an object-oriented

2   environment, the method comprising the steps of:

3   generating only a single instance of said shared object in response to attempts by a

4   plurality of clients to create an instance of a particular object belonging to a

5   class to which said shared object belongs;

6   a first client of said plurality of clients registering a plurality of observer objects by

7   invoking, for each observer object of said plurality of observer objects, a first

8   method of said shared object to register ansaid each observer object to notify

9   about an event related to an execution requested by a first client of a particular

10   operation;

11   wherein said plurality of clients include a first client;

12   each client of said plurality of clients invoking a second method of said shared object

13   to request execution of said particular operation; and

14   when the shared object performs the particular operationexecution requested by the

15   first client of the particular operation, said shared object sending a first

16   message about a first event related to the execution requested by the said first

17   client to each observer object that has been registered forto notify about an

18   event related to the particular operationexecution requested by said first client

19   of a particular operation.

1   2.   (Currently Amended) The method of Claim 1, wherein the steps further include

2   sending a second message about another event related to the execution of the

3   ~~particular operation~~ requested by the first client <u>of the particular operation</u> to said

4   observer object that was registered by said first client.

1   3.   (Currently Amended) The method of Claim 2, wherein:

2   the step of each client of said plurality of clients invoking a second method includes

3   said first client invoking said second method to request <u>execution of</u> a first

4   operation that includes a first subtask and a second subtask;

5   wherein the first message to the observer object registered by the first client is sent in

6   response to completing execution of the first subtask; and

7   wherein the second message to the observer object registered by the ~~second~~<u>first</u> client

8   is sent in response to completing execution of the ~~first~~<u>second</u> subtask.

1   4.   (Currently Amended) The method of Claim 1, further including the step of a<u>the</u> first

2   client invoking another method of said shared object to register another observer

3   object about another event related to <u>the</u> execution ~~of~~<u>requested by</u> said first<u> client of</u>

4   <u>said</u> operation; and

5   wherein said other method is different than said first method.

1   5.   (Original) The method of Claim 1, further including the step of said shared object

2   creating, for each client of said plurality of clients, a client specific object that stores

3   data associated with said each client.

1   6.   (Original) The method of Claim 5, wherein the method further includes invoking a

2   particular method of said client specific object created for said first client that returns

3   information that may be used to access the observer object that was registered by said

4   first client.

1   7.   (Original) The method of Claim 5, wherein the steps further include:

2   said shared object invoking a method of said client specific object; and

3   in response to said shared object invoking the method of said client specific object,

4   storing a reference value to the observer object for said first client.

1   8.   (Original) The method of Claim 5, wherein the step of invoking the method of said

2   client specific object is performed in response to the attempt by said first client to

3   create an instance of a particular object belonging to a class to which said shared

4   object belongs.

1   9.   (Currently Amended) The method of claim 1, wherein the steps include:

2   for each client of said plurality of clients, performing the following steps when the

3   shared object performs the ~~particular operation~~execution requested by said

4   first client of the particular operation:

5   identifying said each client;

6   determining whether said each client has registered an observer object about

7   the event related to the execution ~~of the particular operation~~ requested

8   by said first client of the particular operation; and

9   if said each client has registered an observer object, then sending a first

10   message to said observer object by invoking said second method of

11   said observer object.

1   10 - 11.   (Canceled)

1   12.   (Previously Presented) A method of accessing a shared object, comprising the

2   steps of:

3   registering with the shared object one or more observer objects;

4   wherein each observer object of said one or more observer objects is associated

5   with at least one client and an operation of the shared object that includes

6   a plurality of sub-operations; and

7   when the shared object performs a sub-operation of a particular operation for a

8   particular client, sending a message to each observer object that is

9   associated with said particular operation and said particular client.

1   13.   (Previously Presented) A method of accessing a shared object, comprising the steps of:

2   a client informing a shared object that the client is interested in receiving an indication

3   when the shared object performs sub-operations of a particular operation for at

4   least one particular client, without receiving indications when said shared object

5   performs sub-operations of said particular operation for clients other than said at

6   least one particular client; and

7   the shared object causing the client to receive an indication when the shared object

8   performs each sub-operation of the particular operation for said at least one

9   particular client without causing the client to receive indications when said shared

10   object performs sub-operations of said particular operation for clients other than

11   said at least one particular client.